

Programme:

- 1. Array status & Observatory update – M. Iacobelli*
- 2. Lunar occultation of the diffuse radio sky: Improved results from cycle 1 data - H. Vedantham*
- 3. Exploring the remnant radio galaxy population with LOFAR - M. Brienza*

Array Status

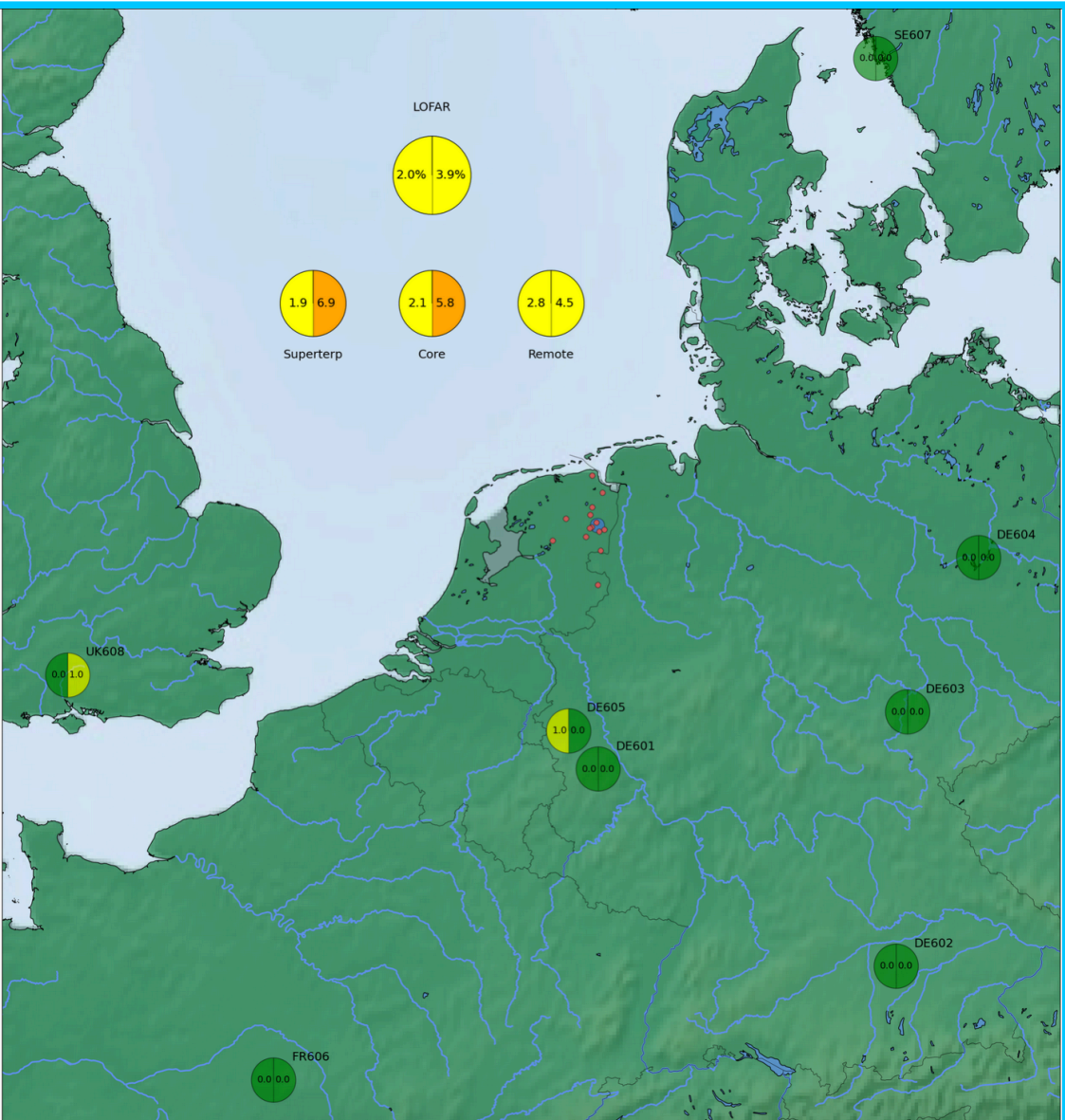


- 38 operational NL stations
 - 24 CSs
 - 14 RSs
- 9 Is (3 new stations to come)
- Maintenance/Repair ongoing on several stations:
 - RS509 broken TBB board, replacement in the spring
 - DE604 broken RSP board, under investigation
 - DE609 broken rubidium clock, repaired
- DE609 search for source of RFI (in LBA) in progress

Overview, including IS

LBA: 2.0%; HBA: 3.9%

see https://proxy.lofar.eu/array_status/



- Color coding of non-operational components per stations:
 - all operational
 - <5% non-operational
 - <15% non-operational
 - >15% non-operational

Superterp

LBA: 1.9%; HBA: 6.9%



➤ Color coding of non-operational components per stations:

- all operational
- <5% non-operational
- <15% non-operational
- >15% non-operational

Core Stations

LBA: 2.1%; HBA: 5.8%



➤ Color coding of non-operational components per stations:

all operational

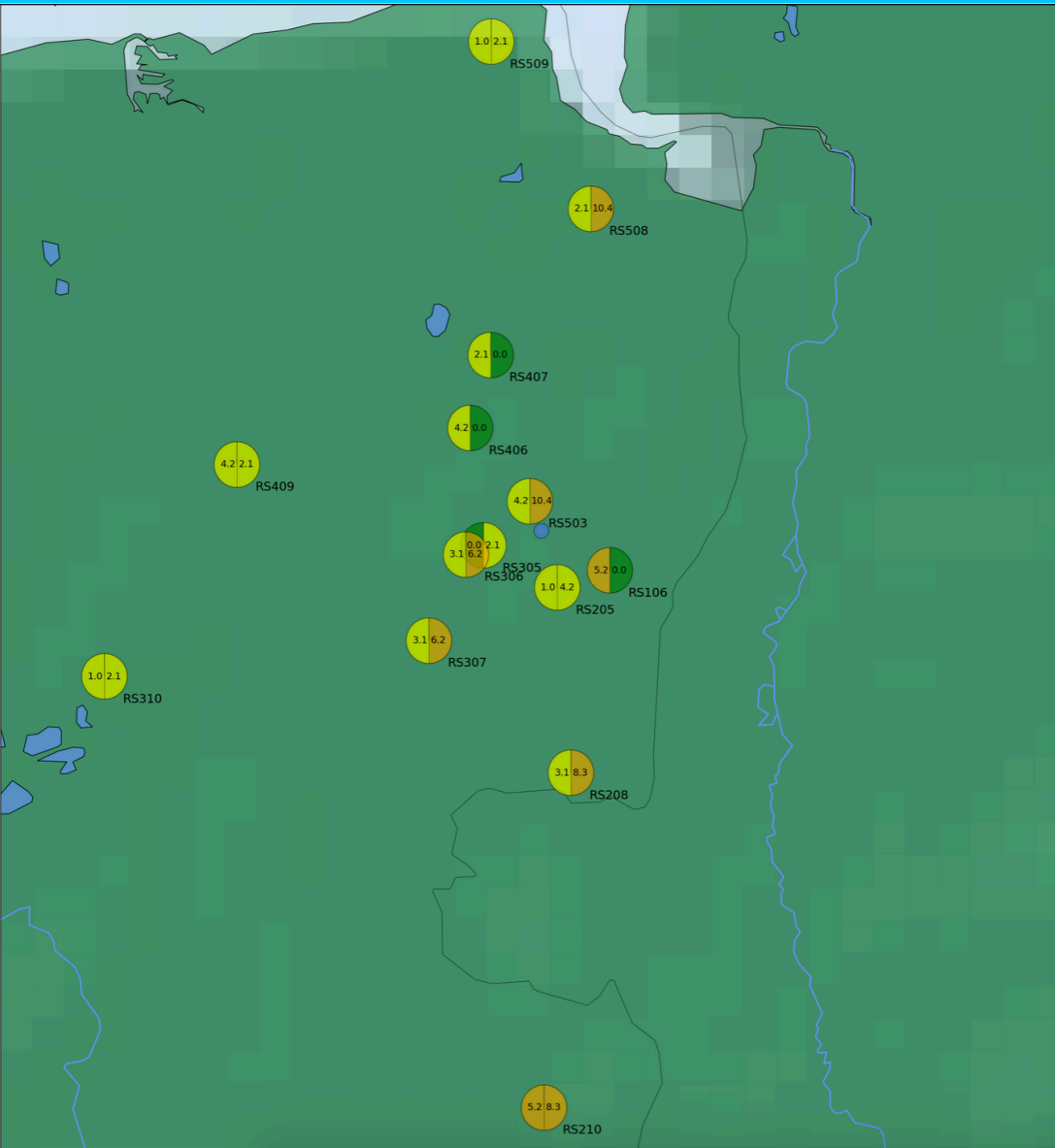
<5% non-operational

<15% non-operational

>15% non-operational

Remote Stations

LBA: 2.8%; HBA: 4.5%

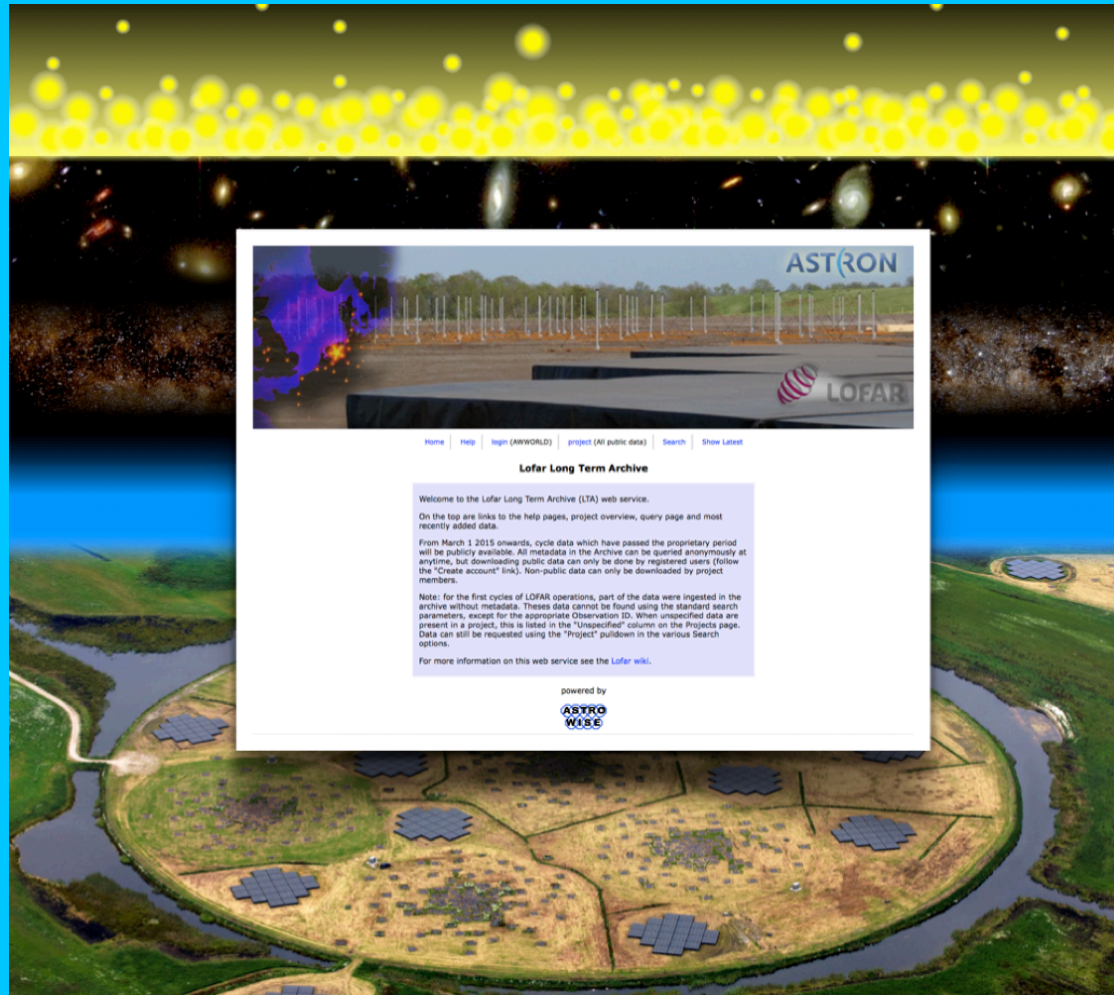


- Color coding of non-operational components per stations:
 - all operational
 - <5% non-operational
 - <15% non-operational
 - >15% non-operational

- System performed relatively fine during the last 2 weeks.
 - STOP DAY: issues with rebooting some CEP2 and CEP3 nodes.
- Pipelines: currently no processing queue.
 - No hanging locus nodes/swapping, only network issues.
- Station calibration status:
 - mode 1-7 no changes
 - mode 3 new data recorded for all stations
 - mode 5 new data for Dutch stations onlyOverview available at:
<http://www.astron.nl/radio-observatory/astronomers/current-status>
- LTA performance: significant delays with the ingest of data to SARA; minor delays with the ingest to Juelich.

News regarding the observing system

- LOFAR data goes public! From March 2nd 2015, scientific data are made publicly available through the LOFAR Long Term Archive (LTA).



News regarding Cycle3 observations

| Week 10 | | UT | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|-----------------|---------|-----|---------------------------|--------------|----|----|----------------------|-------------------------|---|---|-------------------|--------------|----|--------------|----------------------|--------------|--------------|----------------------|---------------------------|---------------------|-------------------|---------------------|----|----|----|----|----|
| Approximate LST | | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| March | 2 | Mon | LC3_034 - MOON LBA - 6hrs | IoS/TBB runs | | | LC3_014 - LOTAAS | | | System tests; all international stations switched to ILT mode at 9 UT | | | | | | IoS/TBB runs | | | LC3_034 - MOON LBA - 6hrs | | | | | | | | |
| | 3 | Tue | IoS/TBB runs | | | | | | STOP DAY !!! DE609 to LCL !!! (in daytime) | | | | | | System tests | IoS/TBB runs | | | LC3_028 - EoR 3C196 | | | | | | | | |
| | 4 | Wed | LC3_028 - EoR 3C196 | IoS/TBB runs | | | | LC3_014 - LOTAAS | | | Commissioning2015 | | | System tests | IoS/TBB runs | | | LC3_028 - EoR 3C196 | | | | | | | | | |
| | 5 | Thu | LC3_028 - EoR 3C196 | IoS/TBB runs | | | LC3_007 - LOBOS test | | | | | | | | | | IoS/TBB runs | | LC3_008 - P66 - 9hrs | | | | | | | | |
| | 6 | Fri | LC3_008 - P68 - 9hrs | | | | IoS/TBB runs | | LC3_014 - LOTAAS; all international stations switched to local mode at 9 UT | | | System tests | | | LC3_023 - M33 - 4hrs | | | IoS/TBB runs | | LC3_028 - EoR 3C196 | | | | | | | |
| | 7 | Sat | LC3_028 - EoR 3C196 | IoS/TBB runs | | | | LT3_001 - Pulsar Timing | | | | | | | | | | | | | | | | | | | |
| | 8 | Sun | LT3_001 - Pulsar Timing | | | | | | IoS/TBB runs | | | | | | LC3_008 - P70 - 9hrs | | | | | | | | | | | | |
| | Week 11 | | UT | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| Approximate LST | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| | 9 | Mon | LC3_008 - P70 - 9hrs | | | | IoS/TBB runs | | LC3_030 - RA 16 | | | | | | LC3_030 - RAs 22 | | | LC3_035 - J0034-0534 | | | LC3_030 - RAs 2,7 | LC3_028 - EoR 3C196 | | | | | |

- Cycle 3 observing programme: ~ 48% completed. Detailed Cycle 3 schedule available here:
- <https://docs.google.com/spreadsheets/d/1jDWvZmpH0ycusJTwbSMU6SxQYK5efawtk0jHSxMbo9M/pubhtml>
- Changes can be applied on daily base: in case of questions/issues contact Science Support
- ****Always cc sciencesupport@astron.nl and include the proposal code in the subject line**** 9

➤ CEP2

- Disk space situation always concerning (especially after weekends).

➤ CEP3

- CEP3 info and users schedule available at:

<http://www.lofar.org/operations/doku.php?id=cep3:start>

- New policy regulating access to CEP3 and data handling available at:

<http://www.astron.nl/radio-observatory/observing-capabilities/depth-technical-information/cycle-1-observing-and-processin>

- Many requests of extensions to access CEP3: monitoring of node usage during allocated time is ongoing. The evaluation of future requests will be based on such statistics.

Calendar LOFAR activities:

- MKSP meeting : 9-12 March
- Next LSM : 18 March
- Start of LOFAR Cycle 4 : 15 May
- LOFAR Users Meeting : 1 June
- LOFAR Science Meeting : 2-3 June
- LOFAR news email list:
<http://www.astron.nl/radio-observatory/subscribe-lofar-news/subscribe-lofar-news>